

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND the claims in accordance with the following:

1. (CURRENTLY AMENDED) A data converter comprising:

a data conversion unit configured to encrypt data originating in an external device and return the encrypted originated data back to the same external device to be stored therein, and when decrypting the stored encrypted originated data, the stored encrypted originated data is transmitted from the same external device to the data conversion unit to be decrypted and then the decrypted data is returned back to the same external device to be read; and

a lock system configured to lock a data conversion function of said data conversion unit in a disabled state after a passage of a predetermined period of time so as to prevent said data conversion unit from encrypting and decrypting the data,

wherein the data converter includes a connector part configured to directly connect to and disconnect from a slot part of the external device such that the data converter insertably connects is directly connectable-to and disconnectable-disconnects from the external device so as to allow data exchange between the data converter and the external device.

2. (PREVIOUSLY PRESENTED) The data converter as claimed in claim 1, further comprising a lock release system configured to release the lock on the data conversion function set by said lock system so that the data conversion function is set in an enabled state.

3. (PREVIOUSLY PRESENTED) The data converter as claimed in claim 2, wherein said lock release system comprises:

a data input unit through which identification data is input;

a recording unit configured to record reference data for identification used to release the lock on the data conversion function; and

a control unit configured to collate the identification data input from said data input unit with the reference data for identification, and release the lock on the data conversion function when the identification data is identical to the reference data for identification.

4. (ORIGINAL) The data converter as claimed in claim 3, wherein said data input

unit is formed of entry keys by which numbers, letters, and signs are entered.

5. (ORIGINAL) The data converter as claimed in claim 3, wherein said data input unit is a plane coordinate input unit which is touched to allow input of data using coordinates of touched positions.

6. (ORIGINAL) The data converter as claimed in claim 3, wherein said data input unit is an input/display unit comprising:

a plane coordinate input panel which is transparent and is touched to allow input of data using coordinates of touched positions; and

a display which is provided on a rear side of said plane coordinate input panel to display numbers, letters, and signs.

7. (ORIGINAL) The data converter as claimed in claim 3, wherein said data input unit is a fingerprint input unit to which an image of a fingerprint of a user is input.

8. (ORIGINAL) The data converter as claimed in claim 7, wherein:

said fingerprint input unit comprises a fingerprint input screen to which the finger of the user is applied to input the fingerprint of the finger, the fingerprint input screen being divided into pixels to measure static electricity of each of the pixels so that the image of the fingerprint is input.

9. (ORIGINAL) The data converter as claimed in claim 7, wherein said fingerprint input unit comprises a fingerprint input screen to which the finger of the user is applied to input the fingerprint of the finger, and optically acquires the image of the fingerprint of the finger applied to the fingerprint input screen so that the image of the fingerprint is input.

10. (PREVIOUSLY PRESENTED) The data converter as claimed in claim 2, wherein said lock release system comprises:

a recording unit configured to record reference data for identification used to release the lock on the data conversion function; and

a control unit configured to collate identification data which is input to and transmitted from the external device connected to the data converter with the reference data for identification, and release the lock on the data conversion function when the identification data is identical to the reference data for identification.

11. (PREVIOUSLY PRESENTED) The data converter as claimed in claim 10, wherein the external device includes an input unit through which the reference data for identification and the identification data are input.

12. (PREVIOUSLY PRESENTED) The data converter as claimed in claim 1, further comprising a time setting unit configured to allow a user to set the predetermined time period before the data conversion function is disabled.

13. (PREVIOUSLY PRESENTED) The data converter as claimed in claim 2, further comprising a time setting unit configured to allow a user to set the predetermined time period before the data conversion function is disabled.

14. (PREVIOUSLY PRESENTED) The data converter as claimed in claim 1, further comprising a display unit configured to display whether said lock system is in operation.

15. (PREVIOUSLY PRESENTED) The data converter as claimed in claim 2, further comprising a display unit configured to display whether said lock system is in operation.

16. (CANCELED)

17. (CANCELED)

18. (CURRENTLY AMENDED) An electronic device for processing information having a data converter therein, the electronic device comprising:
a computing part configured to generate and process data;
a storage part configured to store the data; and
a-the data converter comprising
a data conversion unit configured to encrypt the data originating in the computing part and return the encrypted originated data back to the same computing part so that the encrypted originated data is stored in the storage part, and when decrypting the stored encrypted originated data, the stored encrypted originated data is transmitted from the computing part to the data conversion unit to be decrypted and the decrypted data is then returned back to the same computing part so that the decrypted data is processable in the same computing part when receiving the encrypted data read from the storage part; and
a lock system configured to lock a data conversion function of said data conversion unit in a disabled state after passage of a predetermined period of time so as to prevent said data

conversion unit from encrypting and decrypting the data,

wherein the data converter includes a connector part configured to directly connect to and disconnect from a slot part of the electronic device such that the data converter insertably connects to and disconnects from the electronic device so as to allow data exchange between the data converter and the computing part.

19. (PREVIOUSLY PRESENTED) The electronic device as claimed in claim 18, wherein said data converter further comprises a lock release system configured to release the lock on the data conversion function set by said lock system so that the data conversion function is set in an enabled state.

20. (PREVIOUSLY PRESENTED) The data converter as claimed in claim 1, further comprising:

a timer unit configured to count the predetermined period of time, wherein the predetermined period of time is time counted from one of a connection of the data converter to the external device and a beginning of a process performed on the external device.